

AMENDMENTS TO CLAIMS

Kindly amend the claims as follows:

1. (Three Times Amended) A stator for an electrical induction machine, comprising an even number n of stator sections [(2, 3)] at different axial positions, each section having a plurality of circumferentially separated, radially extending teeth [(6, 7)] and each tooth having a single winding,
wherein the stator sections are mutually and physically phase shifted by substantially $360^\circ/n$ electrical \pm an angle related to skew,
and wherein electrical supplies of every tooth of a first set of $n/2$ of the stator sections is shifted 180° electrical relative to electrical supplies of every tooth of a second set of $n/2$ of the stator sections.
2. (Amended) A stator as claimed in claim 1, wherein the even number n is 2, the stator sections [(2, 3)] being physically phase shifted by substantially 180° electrical \pm an angle related to skew, and the two stator sections have their electrical supplies shifted by 180° electrical.
3. (Twice Amended) A stator as claimed in claim 1, wherein each stator section [(2, 3)] has the same number of teeth [(6, 7)].
4. (Twice Amended) A stator as claimed in claim 1, wherein each stator section [(2, 3)], at least partly, is made of a magnetic powder.

5. (Amended) A stator as claimed in claim 4, wherein each stator section [(2, 3)] is made of several separate units [(8, 9)], each unit comprising a tooth [(6, 7)] and an adjoining part of a yoke [(4, 5)] of the stator [(1)].

6. (Amended) A stator as claimed in claim 5, wherein each unit [(8, 9)] also comprises one of said single windings.

7. (Twice Amended) A stator as claimed in claim 5, wherein the adjoining parts of the yoke [(4, 5)] extend axially past the teeth [(6, 7)] at least at one of the axial sides thereof.

8. (Twice Amended) A stator as claimed in claim 1, wherein the tips [(11)] of the teeth [(6, 7)] extend axially past the main part of the teeth at least at one of the axial sides thereof.

9. (Twice Amended) A stator as claimed in claim 1, wherein each tooth [(6, 7)] has a rounded profile.

10. (Twice Amended) A stator as claimed in claim 1, wherein the stator sections [(2, 3)] are separated axially.

11. (Three Times Amended) An electrical induction machine having a rotor and a stator, wherein the stator comprises an even number n of stator sections [(2, 3)] at different axial positions, each section having a plurality of circumferentially separated, radially extending teeth [(6, 7)] and each tooth having a single winding, wherein the stator sections are mutually and physically phase shifted by substantially $360^\circ/n$ electrical \pm an angle related to skew, and wherein electrical supplies of every tooth of a first set of $n/2$ of the stator sections is shifted 180° electrical relative to electrical supplies of every tooth of a second set of $n/2$ of the stator sections.

12. (Amended) A stator as claimed in claim 2, wherein each stator section [(2, 3)] has the same number of teeth [(6, 7)].

13. (Amended) A stator as claimed in claim 2, wherein each stator section [(2, 3)], at least partly, is made of a magnetic powder.

14. (Amended) A stator as claimed in claim 3, wherein each stator section [(2, 3)], at least partly, is made of a magnetic powder.

15. (Amended) A stator as claimed in claim 12, wherein each stator section [(2, 3)], at least partly, is made of a magnetic powder.

16. (Amended) A stator as claimed in claim 6, wherein the adjoining parts of the yoke [(4, 5)] extend axially past the teeth [(6, 7)] at least at one of the axial sides thereof.

17. (Amended) A stator as claimed in claim 2, wherein the tips [(11)] of the teeth [(6, 7)] extend axially past the main part of the teeth at least at one of the axial sides thereof.

18. (Amended) A stator as claimed in claim 3, wherein the tips [(11)] of the teeth [(6, 7)] extend axially past the main part of the teeth at least at one of the axial sides thereof.

19. (Amended) A stator as claimed in claim 2, wherein each tooth [(6, 7)] has a rounded profile.

20. (Amended) A stator as claimed in claim 3, wherein each tooth [(6, 7)] has a rounded profile.

21. (Amended) A stator as claimed in claim 2, wherein the stator sections [(2, 3)] are separated axially.